

#47

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

C-O-N-F-I-D-E-N-T-I-A-L

50X1-HUM

COUNTRY Bulgaria

REPORT

SUBJECT

1. 6 September Factory in Sofia (facilities manpower, org)
2. Zavod 12 (facilities, manpower, security, suspected military production)

DATE DISTR.

25 October 1961

NO. PAGES

1

REFERENCES

RD

DATE OF INFO.

PLACE & DATE ACQ.

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE

50X1-HUM

- a. 6 September Factory at Sofia: 9 pages with sketch.
b. Zavod 12: 14 pages with sketch.
2. Although the information contained in these reports is old, it is being forwarded for whatever background interest it might have.

50X1-HUM

C-O-N-F-I-D-E-N-T-I-A-L

50X1-HUM

STATE	ARMY	NAVY	AIR	FBI	AEC						
(Note: Washington distribution indicated by "X"; Field distribution by "#")											

Subject: Bulgaria - "ZAVOD 12" (Factory 12) - Military and civilian
in Sofia (2320 E/4241 N)

1. General information

The activity of this factory - ^{not} ~~that~~ a recent installation - is connected to that of other undetermined complexes with which it seems to make up a "Kombinat", of which:

One is located in LOWEC (2443 E/4308 N)

One located in KAZANLAK (2523 E/4233 N).

The activity of "sector B" of factory 6 September in Sofia is further subordinated to ZAVOD XII, ~~where~~; the 6 September factory manufactures electric ^{lift trucks} ~~collars~~ known as ELETROCARI.

The Zavod 12 establishment ^{supplied} ~~surprised~~ the complete electrical installations for assembly on the Eletrocari.

2. Denomination

DRZAVNI INDUSTRIALNO ^RPRE^DPRILATE MINISTERTSTVO NA TESKO PROMISLENOST
ZAVOD 12 - Sofia (Ministry of Heavy Industry - State Industrial Company -
Factory 12 - Sofia).

50X1-HUM

CONFIDENTIAL

CONFIDENTIAL

3. Location

North of the highway to KNJAZEVO (2315 E/4239 N) in the area lying between the location of an undetermined military headquarters and a block of structures used for officers quarters of the armed forces and exponents of the party.

The highway to Knjazevo is called "BOULEVARD 9 September"

4. Manufactures and their destination.

The product of the factory is destined partly to the armed forces and partly to civilian needs.

Furthermore there is a department in this complex which is isolated from the others; military and a few civilian members of the party work in it exclusively, and maximum security is kept on its activity.

50X1-HUM

Batteries for tanks of an undetermined model and for national needs. It is unknown as to whether they are exported. Packaging consists of a wooden case having dimensions estimated to be 35cm x 50 cm, and about 30cm high. The inside of the package has a layer of pitch.

The batteries have two elements (bakelite receptacles, one of which is for acids) and are immediately packaged. Transportation is done on trucks by the departments concerned.

An unspecified type of case made of bakelite measuring 25cm by 50cm; this type is not packaged, as is done for the tank type.

Electric components for the "electric ^{lift trucks,} cars." This product is sent exclusively to the 6 September ^{factory} in Sofia - Sector B, where the ^{cars are} ~~cause of~~ constructed.

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

Engine block and other unspecified parts for BALKAN engines of 250 cubic centimeters, for motorcycles manufactured on a Soviet license.

These are sent to a factory in LOVEC where other parts are produced and the motorcycles are assembled.

An unspecified model of trailers for civilian and military trucks, having the following characteristics:

length: about 5 meters

width: about 2.5 meters

wooden body with metal reinforcements

the sides can be dropped

wheels: 4, single, on rubber tires

compressed air service brake

parking brake; mechanical and can be ~~worked~~ by a handle

capacity: undetermined

color: those for the armed forces are green;

those for civilian use are gray.

Part of the product is exported to the countries of the Warsaw Treaty.

8. Origin of raw materials

Unprocessed and processed metals; from the Lenin metallurgical mill in DIMITROVO;

^{Tire covers and tubes}
~~Covering an air chamber~~; from the ^VCANDAR factory in SVETOVRACENE (2322E/4247N).

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

9. Data on Production.

Batteries:

During the period May-June 1959 and on each work shift of 6 hours duration; there were constantly produced; 120 batteries for tanks; 125-130 batteries for motor vehicles.

The battery manufacturing department works 2 six-hour shifts rather than 8 hour shifts for ~~public~~ health reasons.

10. Personnel

Known managers:

Director: Engineer HRISTOV.

Department 10 head (battery manufacturing): -

Engineer STOJKOV.

Personnel Chief:

Engineer STOJANOV.

This is the main and more committing activity of the factory.

Repairs are made by cannibalizing old Opel-Blitz engines which were left over from the war and are salvaged from all over Bulgaria.

The products are intended for the armed forces; no information in this regard.

The transportation of finished products and raw materials to and from the military production department is done in military trucks which are canvas covered; they enter the department enclosure under constant guard by sentries and depart without ever exposing to view what they carry.

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

5. Total area.

Estimated to be 700 by 1000 meters.

6. Rail and highway connections.

Railroad: Spur to the industrial line which begins in the Zaharna Fabrika district; it passes through the freight station and extends to the Joan Vasov district in Sofia.

Highway: Boulevard 9 September.

7. Active Defense.

The industrial guard has the watch, ~~cover~~ except for the "military department", the security ^{for} ~~of~~ which is done by a special "guard" supplied by an undetermined unit of the garrison in Sofia.

Workers:

About 2000.

11. Situation

This is an established complex which in 1959 had a new steam power station for heating the various spaces. It is not known whether there was ^{efficiency} ~~expansion~~ and modernization work done at any time before.

12. description.

Note: The listed numbers and the corresponding letters for the attached sketch indicate the various structures and units of the complex. The description of the plant and the dimensions of the structure are approximate.

- 1) Industrial police guard
- 2) A shed measuring 15 x 150 meters in which the following are situated:
 - a) office of the industrial police commandant which is responsible for guarding the factory

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

- b) quarters for the above ⁱⁿcomandant
- c) warehouse for electrical installations for "Eletrocari" which are ready for assembly
- d) department which manufactures electrical installations for "Eletrocari"
- e) warehouse for batteries which will be exported
- f) warehouse for "Balkan" engine parts which will be shipped to the LOVEC plant.

- g) loading ramp for railroad cars
 - h) loading ramp for ~~rups~~ Trucks.
- 3) A shed measuring 15 x 60 meters with:
- a) administrative offices
 - b) battery charging department (?)
 - c) foundry which makes plates for the batteries.

- 4) A shed of 20 x 60 meters

"department 10" of the complex is in this structure, which manufactures a part of the batteries, later completed in the structure marked number 5.

The plates for the batteries are supplied by the factory mentioned above.

The order in which the various operations take place is unknown.
building

The inside layout of the ~~building~~ is approximately as shown on the attached sketch.

- 5) A shed measuring 15 by 150 meters.

It includes:

- a) department for assembly and finishing of batteries

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

- b) warehouse for batteries which are ready to be sold on the national market
- c) loading ramp for trucks
- 6) An L-shaped shed with dimensions of 50 x 50 x 100 meters, which includes,
- a) acid manufacturing department for the batteries
 - b) main metalsmith department
 - c) press department
 - d) shearing department
 - e) trailer assembly department
 - f) lathe "department 5", where various trailer parts are produced.
- 7) New steam power plant for heating the various structures of the complex. This began operating in the spring of 1959.

A shed of 10 x 15 meters.

- 8) Factory infirmary:

Shed of 10 x 15 meters.

- 9) Iron and lumber storage yard:

Shed of 10 x 100 meters.

- 10) Shed of 10 x 30 meters with:

Iron storage yard

Iron distributing department.

- 11) Military manufactures department

This is an area 50 x 150 meters, bounded by ^{barbed} a/wire fence and guarded by soldiers.

This department has one 3 story structure and 2 or 3 industrial sheds of undetermined dimensions.

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

12) Fuel storage;

Made up of one wooden ^{barrack} ~~back~~ measuring 5 x 10 meters;

Two buried tanks of undetermined capacity.

13) A shed of 15 x 100 meters, distributed as follows:

a) materials storage for bodies of motor vehicles and trailers;

b) main lathe department, known as "department 6"; it is equipped with about 20 lathes of various types. It manufactures various parts for Balkan engines.

c) department which tests Balkan engine blocks.

14) Main materials storage:

Shed of 50 x 100 meters

15) A shed of irregular shape measuring 50 x 50 x 80 meters (maximum dimensions) in which are situated:

a) Lathe department which produces precision parts for Balkan engines;

b) Engineering office and drafting department;

c) Miscellaneous materials storage, and storage of spare parts for motor vehicles and motors;

d) Repair shop and Opel-Blitz rebuilt motor warehouse

16) Shed of 5 x 10 meters with:

Printing shop for forms used in the factory to draw materials, work orders, etc.

Department for cutting ^{parts} laminated / used in the manufacture of batteries.

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

50X1-HUM

17) Garage.

Shed which is completely open in front and has dimensions of 10 x 150 meters.

Motor vehicles to be repaired and repaired motor vehicles ~~and parts~~ ^{are parked here.}

18) Shed of 20 x 100 meters, subdivided as follows:

a) Firemen:

A unit made up of about 10 men equipped with a pump truck and various other fire-fighting equipment;

b) Lathe department named "department 7" where various Balkan engine parts are made.

It is equipped with about 15 lathes of various types.

c) Old steam power station for heating. This is still operating together with the new power station which began operating in 1959 (marked by No 7 on the sketch).

19) A shed of 30 x 110 meters in which the following are located:

a) A foundry named " department 20" where the engine blocks are cast for Balkan motors;

b) General overhaul and repair department for motor vehicles.

It is called department 1 and it is the principal^{al} activity of the factory.

c) Department which tests the overhauled motors.

20) Shed of 10 x 60 meters with a roofed parking area for motor vehicles;
~~some~~ divided into:

a) shop which repairs motor vehicle radiators

b) lathe department which manufactures parts for the construction of trailers. It is equipped with an undetermined number of lathes of various types.

CONFIDENTIAL

50X1-HUM

c) roofed parking area for motor vehicles being repaired.

21) Shed of 15 x 150 meters which is divided as follows:

a) managers office and miscellaneous offices

b) department for testing and repairing Balkan motorcycles on behalf of private owners during the guarantee period of 6 months.

c) mess hall and washrooms

d) kitchen for the factory mess

e) food storage

f) entrance gate and industrial police guard

A. ~~Clerks~~ entrance

B. Workers entrance

C. Motor vehicle entrance.

Enclosure ~~indent~~ Northside and part of the West side is surrounded by barbed wire.

Other sides: wall.

13. Electric Power Employed:

Tapped from the city network.

CONFIDENTIAL

50X1-HUM

LEGEND

- 1) Industrial police guard
- 2) Industrial shed of 10 x 150 meters in which the following are situated:
 - a) office of the commandant of the complex guard
 - b) residents^{cc} of the foregoing ~~command~~ commandant
 - c) electrical installation warehouse for "Eletrocari" ready for assemblies.
 - d) department which manufactures electrical installations for "Eletrocari"
 - e) warehouse for batteries ready to be exported
 - f) warehouses for parts ready for Balkan motors
 - g) loading ramp for railroad cars
 - h) loading ramp for motor vehicles
- 3) Industrial shed of 15 x 60 meters with:
 - a) administrative officers
 - b) battery charging department (?)
 - c) foundry for battery plates.
- 4) Industrial shed of 20 x 60 meters.

"Department 10" is installed here, which is involved in various operations for battery manufacture, with final steps done in ~~factory~~ structure No 5. The plates for the batteries are supplied by the foundry above.

The order of successive operations is not exactly known. The inside layout of the industrial shed is approximately that indicated on the sketch.

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

- 5) Industrial shed of 15 x 150 meters
 - a) assembly and finishing of batteries
 - b) warehouse for ready batteries
 - c) loading ramp for motor vehicles.
- 6) L-Shaped industrial shed of 50 x 50 x 500 meters
 - a) department which makes acids for the batteries
 - b) main smiths department
 - c) press department
 - d) shears department
 - e) trailer assembly department
 - f) "department 5" for lathes - manufacture ^{of} ~~for~~ parts for trailers.
- 7) New steam power station ~~for~~ heating
An industrial shed of 10 x 15 meters.
- 8) Factory infirmary
Industrial shed of 10 x 15 meters.
- 9) Iron and lumber storage yard
Shed of 10 x 100 meters.
- 10) Shed of 10 x 30 meters with:
Iron storage yard
Iron distribution department.
- 11) Military manufacture department
Has an area of 50 x 150 meters on which there are:
2 or 3 sheds
1 three-story structure.

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

50X1-HUM

- 12) ~~Very few~~ ^{Buried fuel} storage depot

Wooden barracks measuring 5 x 10 meters

Two buried tanks of undetermined capacity.

- 13) Industrial shed of 15 x 100 meters with:

- a) material storage for motor vehicle and trailer bodies
- b) main lathe department named "department 6"
- c) department for testing Balkan engine blocks.

- 14) Main materials storage depot:

Industrial shed of 50 x 100 meters.

- 15) Industrial shed measuring 50 x 50 x 80 meters with:

- a) lathe department - manufactures precision parts for Balkan motors
- b) engineering office and drafting department
- c) miscellaneous materials storage and storage for spare parts for motor vehicles and motors
- d) repair shop and Opel-Blitz repaired motors warehouse.

- 16) Industrial shed measuring 5 x 10 meters with:

Printing shop which makes forms used in the factory

Department which cuts laminated parts for batteries.

- 17) Garage

Industrial shed of 10 x 150 meters open in front (no door).

- 18) Industrial shed measuring 20 x 100 meters with:

- a) firefighters
- b) lathe department called "department 7" which makes parts for Balkan engines
- c) old steam heating power station.

50X1-HUM

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

- 19) Industrial shed measuring 30 x 110 meters with:
- a) foundry called "department 20" which casts Balkan engine blocks
 - b) department for general overhauling of motor vehicles; it is called "department 1"
 - c) department for testing overhauled motors.
- 20) Industrial shed measuring 10 x 60 meters with:
- a) shop which repairs motor vehicle radiators
 - b) lathe department which makes parts for the construction of trailers
 - c) roof^{ed} parking space for motor vehicles being repaired.
- 21) Industrial shed measuring 15 x 150 meters with:
- a) direct managers office and miscellaneous offices
 - b) department which tests Balkan motorcycles upon the request of private owners during the guarantee period (6 months)
 - c) factory mess hall and wash rooms
 - d) kitchen
 - e) food warehouse
 - f) entrance gate and industrial police guard.

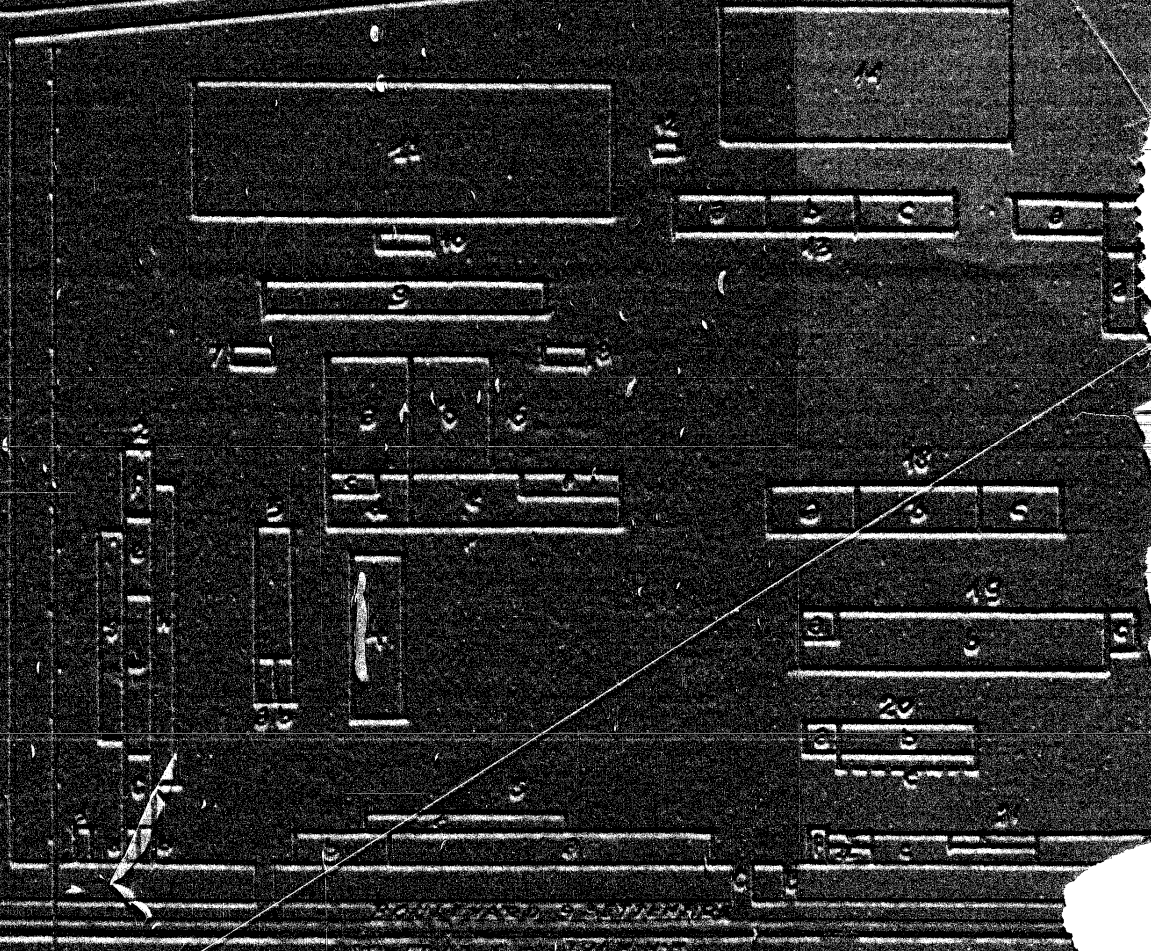
50X1-HUM

CONFIDENTIAL

[Redacted]

ATTACHMENT 1
AUGUST 1951
FACTORY NO. 12
STREETS OF CANNON

FREIGHT STATION
CANNON



Subject: Bulgaria - "6 September factory" in Sofia (2320E/4241N)

1. Location

Address of the complex^x:

Gheorghi Dimitrov Street, No 66 - Sofia

Complex

3 to 4 kilometers west southwest of Sofia on the north side of the highway to KNJAZEVO (2315E/4239N), a suburb of Sofia. The highway to Knjazevo is called "Boulevard 9 September" and it is traveled by the streetcar line No 5 which has its termin^us in St Domenica ~~of~~ Sofia square, and in Knjazevo.

2. Manufactures and their destination

The 6 September complex is made up of two different manufacturing "sectors" which are ^dajacent but separated by a wall.

Each of these has its own management which is subordinate to the management of the complex situated as mentioned above on Gheorghi Dimitrov Street in Sofia.

The activity of the individual ^{plants} ~~sectors~~ is as follows:

50X1-HUM

CONFIDENTIAL

CONFIDENTIAL

PLANT
SECTOR A

Manufactures street cars (motor car and trailer) on an unspecified Belgian model, for national needs. The motor car has two Ankar motors of 300 volts each (one forward and one at the rear);

makes Ankar motors of 300 volts for street cars on a presumed Soviet license, which are used on the national market;

overhaul and repair of street cars for all the lines in Sofia, which number eight;

regular maintenance of cars serving the lines four and five. The regular maintenance for the other street cars is done in their own "carbarns" which are:

Nadesda district carbarn for cars on lines 3, 4, and 7;

Stanio Vasiliev carbarn situated in the fourth district of the city for cars on lines 1, 2, and 8.

The cars from lines ~~from~~ 4 and 5 are done in the ^{same} ~~sector~~ A factory.

PLANT
SECTOR B

Makes "Eletrocari" or electric ^{lift trucks;} ~~cars~~; these are of the type usually found in railroad stations for transferring baggage and has a capacity of about 10 quintals; wheels mounted on tires; undetermined model.

They are sent mostly to the USSR, China, Poland, and Czechoslovakia.

A limited quantity is used in the country and they are found in railroad stations, ports, and large factories;

50X1-HUM

CONFIDENTIAL

CONFIDENTIAL

Exceptional repair of Sofia trolly buses.

Normally maintenance and repair of the trolly buses is done in their own barns situated on the corner of Boulevard Stalingrad and Boulevard Slivnica, in Sofia.

3. Total area of the complex

Estimated roughly to be 120 x 250 meters.

4. Highway and street car connection

Highway: connected to Boulevard 9 September which joins the west edge of Sofia with the suburb of Knjazevo.

Streetcar: Streetcar No 5 which has spurs to the complex and travels along Boulevard 9 September. The termini of the streetcar line in No 5 are respectively in plaza Santa Domenica in Sofia and in Knjazevo.

5. Active defense

The industrial guard guards the complex.

6. Origin of raw materials and known finished products for ^{plants}sectors A and B

Iron and metal alloys; from the Metalurgiski Zavod Lenin in Dimitrovo (steel mill) (ex Pernik)/(2303E/4235N).

Tires for "eletrocari"; from the ^VCan~~dar~~ rubber factory in Svetovracene (2322E/4247N).

Lumber: from ^{Bulgarian}~~national~~ plants

Electric installations: for use of the eletrocari (^{Plant}~~factory~~ Sector B produces only the metal parts) come from Zavod 12 ~~factory~~ in Sofia.

7. Production data

Not more than five or six complete streetcars (motorcar and trailer) were manufactured during the period between the beginning of 1959 and

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

the month of May 1960 in the ~~Sector A~~ ^{Plant} factory. They are being used in Bulgaria. 50X1-HUM

Data on production of motors for the streetcars and electrocars ^(lift trucks) are not available.

8. Personnel

Known managers

~~Sector A~~ ^{Plant}

Manager: engineer KURTEV.

Deputy director and chief engineer:

engineer KRSTEV.

manager of the repair department for streetcar motors;

engineer Pejo, PEEV

~~SECTOR B~~ ^{Plant}

The name of any manager is unknown.

Clerks and workers:

About 500 in the entire complex.

Work shifts:

50X1-HUM

Two in various departments

Three in the department of repairs to streetcar motors (Sector A)

9. Situation

This factory was already established and at various times after the war regular maintenance was done on the real property, and the installations were modernized.

CONFIDENTIAL

CONFIDENTIAL

At the beginning of May 1960 the construction of the new industrial shed was completed, measuring 15 x 40 meters, in which a department for the general repair of the streetcars was installed.

10. Description

Note:

The ordinal numbers listed for the various factories and the letters which indicate the various departments of the complex correspond with those of the the attached sketch. Dimensions and disposition of the structures are to be considered approximate.

SECTOR A

- 1) Industrial police guard assigned to guarding the complex;
- 2) Streetcar precision repairs department:

Newly constructed and began operating in May 1960.

Industrial shed measuring 14 x 40 meters, equipped with work benches, various hand tools.

- 3) Industrial shed measuring 10 x 30 meters with:

- a) office of the carbarn superintendent
- b) various officers of the carbarn
- c) warehouse for tools and work tools.

- 4) Industrial police guard.

- 5) Management and administration of ^{Plant} sector A for this complex:

Two story structure measuring 10 x 20 meters.

- 6) Industrial shed of L-Shape with dimensions of 25 x 90 x 50 x 25, with saw-tooth and sky-light roof, where the following are situated:

- a) carpenter shop which makes all the wooden parts of the body for the new streetcars or those to be repaired and the inside wooden

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

furnishings such as seats, doors, etc.

b) manufacturing and repair department for streetcar motors,
model Ankar of 300 volts

c) department for making metal parts/^{for} street cars to be repaired
or for the assembly of new ones;

initial assembly of new streetcars by using the parts made
in the carpenter shop and the metal parts made in the same department.

Wheels, ^{axles}~~axels~~ and other undetermined parts are supplied by unknown,
other factories.

d) department which completes assembly, paints and tests the
new streetcars

e) metalsmith department

f) work tool warehouse

7) Industrial shed measuring 50 x 70 meters with a saw tooth, skylighted
roof (four teeth ^{wide}~~deep~~), used as:

carbarn for lines 4 and 5

maintenance and repair shop for streetcars (overhaul and replacement
of motors, repair of brakes, etc).

The "shop department" is equipped with:

an overhead crane with a capacity of 15 quintals

one 2-meter bench lathe made in the USSR

two or three electric drills

work benches and miscellaneous furnishings.

50X1-HUM

CONFIDENTIAL

CONFIDENTIAL

Plant
~~SECTOR B~~

1) Management and administration of the *plant* sector - a three story building measuring 10 x 15 meters.

2) 3) Industrial shed measuring 15 x 50 meters

Industrial shed measuring 20 x 50 meters

used for manufacturing and assembly of Eletrocari (electric *lift trucks* ~~carts~~).

4) Lathe department:

Industrial shed measuring 10 x 30 meters.

as indicated in sketch attached the various departments of the complex are served by streetcar spurs, including Sector B where at one time in the past maintenance and repairs of streetcars was done.

11. Electric power employed:

Connected to the city network.

12. Complex inclosure:

On the north, east, and south sides there is barbed wire on a small concrete wall about two meters high.

On the west side there is a 2-meter wall.

CONFIDENTIAL

PLANT
(SECTOR) A

50X1-HUM

1) Industrial police guard

2) Streetcar repair department:

Newly constructed and completed in May 1960;

Industrial shed measuring 15 x 40 meters

3) Industrial shed measuring 10 x 30 meters with:

a) carbarn superintendent

b) various officers of the carbarn

c) warehouse for tools and work tools

4) Industrial police guard

5) Management and administration of ^{Plant}(sector) A of the 6 September

complex:

Two story building measuring 10 x 20 meters

6) L-shaped industrial shed measuring 25 x 50 x 90 x 25, with
sawtooth, skylighted roof:

a) carpenter shop,

b) construction and repair of streetcar motors

c) initial assembly of new streetcar department

d) final assembly and test for new streetcars department

e) metalsmith department

f) worktool warehouse

7) Industrial shed with sawtooth and skylighted roof, which
measures 50 x 70 and is used as:

CONFIDENTIAL

50X1-HUM

CONFIDENTIAL

a carbarn for the streetcars of lines 4 and 5 in Sofia;
maintenance and repair shop for streetcars.

PLANT
(SECTOR) B

1) Management and administration of Sector B of the 6 September complex:

3-story structure measuring 10 x 15 meters.

2) Industrial shed measuring 15 x 50 meters

3) Industrial shed measuring 20 x 50 meters.

It is used as a manufacturing and assembly departments for
"Eletro^cgari" (electric ^{lift trucks} ~~carts~~)

4) Lathe department:

Industrial shed measuring 10 x 30 meters.

CONFIDENTIAL

50X1-HUM